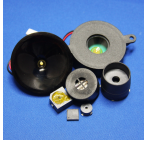


## CT08E-04S270-7

Rev. 0-2023  
RoHS3 & REACH  
Electromagnetic Sound Transducers



### Operating Characteristics

#### ELECTRICAL

Rated Voltage	3.6 Vo-p
Operating Voltage	2.5 to 4.5 Vo-p
Coil Resistance	16 ± 3 Ω
Max Current at V Rated	100 mA

#### ACOUSTIC

Min SPL at V Rated	85 dB
Test Conditions	10 cm
f <sub>o</sub>	2700 Hz



### Physical Characteristics

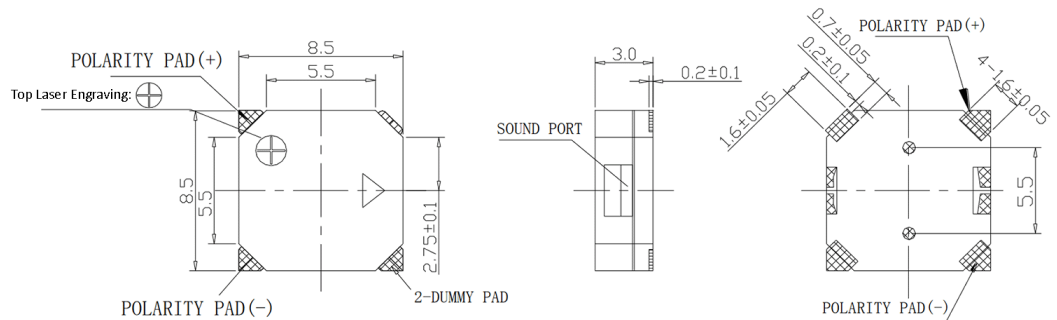
#### MATERIAL

Housing	LCP (Black)
Diaphragm	Iron
Magnet	Ferrite
Solder Pads	Brass

#### TEMPERATURE RANGES

Operating	-40 to +85 °C
Storage	-40 to +85 °C

Weight	0.6 g
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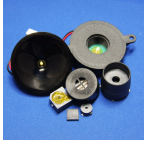
General tolerance = ±0.5 mm and all measurements in mm unless otherwise noted.

Revision	Description	By	Date
0-2023	Original Specification.	SK	2023-09-20

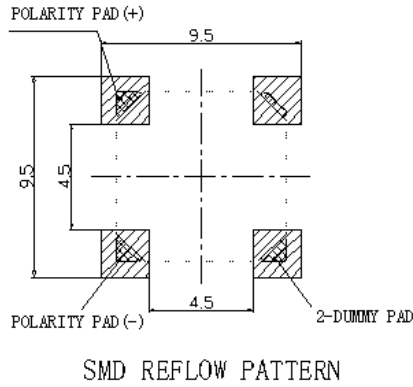
Warranty: For a period of one (1) year from date of shipping under normal operations conditions. This warranty does not apply to products damaged through misuse, abuse, improper installation, alteration, rework, or attempt to repair.

The information contained herein is believed to be correct, but no guarantee or warranty, express or implied, with respect to accuracy, completeness or results is extended and no liability is assumed. Challenge Electronics reserves the right to make changes in any specification, data or material contained herein.

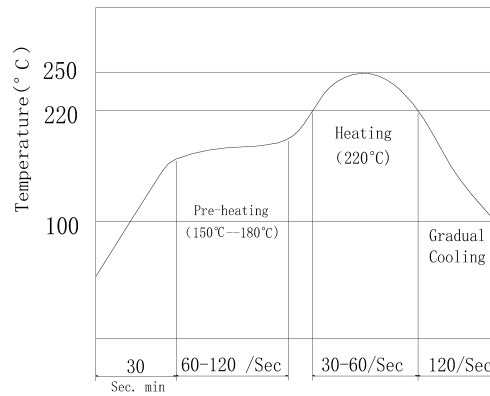
# CT08E-04S270-7

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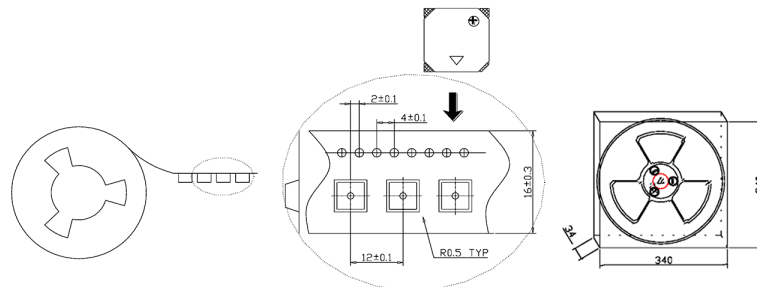
## Recommended Footprint



## Recommended Reflow Profile



## Tape & Reel Packaging



1000 pieces per reel,  
 5 reels, each sealed in a vacuum packed anti-static bag,  
 5000 pieces total per box.

Revision	Description	By	Date
0-2023	Original Specification.	SK	2023-09-20

Warranty: For a period of one (1) year from date of shipping under normal operations conditions. This warranty does not apply to products damaged through misuse, abuse, improper installation, alteration, rework, or attempt to repair.

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